

Applicants : James E. Doyle et al.
Appln. No. : 09/870,091
Page : 2

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A motor mounting system for a telescopic leg assembly comprising:

a motor assembly including a drive shaft extending therefrom for coupling to a drive screw;

at least one pin extending from said motor assembly in a direction generally parallel to and spaced from said drive shaft;

a base for coupling to a leg of a telescopic leg, said base including an aperture for receiving a drive screw therethrough and an aperture aligned with said pin of said motor assembly, said aperture including an elastomeric element mounted therein for receiving said pin to isolate vibrations from said motor assembly to said base; and

a drive screw extending through said aperture;

a thrust bearing and washer extending between said base and said drive screw such that forces applied to said base are compressably transmitted to said drive screw through said thrust bearing and washer.

Claim 2 (original): The motor mounting system of claim 1 wherein said elastomeric element is a grommet.

Claim 3 (original): The motor mounting system of claim 2 wherein said pin is tapered to facilitate insertion into said grommet.

Claim 4 (original): The motor mounting system of claim 3 wherein said motor assembly includes a plurality of pins and said base includes a plurality of apertures with grommets mounted therein which are aligned with said pins for receiving said pins therein.

Applicants : James E. Doyle et al.
Appln. No. : 09/870,091
Page : 3

Claim 5 (previously presented): The motor mounting system of claim 4 wherein said motor assembly includes three pins and said base includes three apertures with grommets therein.

Claim 6 (original): The motor mounting system of claim 5 wherein said motor assembly includes a motor housing having a drive motor and a motor mounting plate and wherein said pins extend from said motor mounting plate.

Claim 7 (original): The motor mounting system of claim 6 wherein said pins are angularly generally equally spaced.

Claim 8 (currently amended): The motor mounting system of claim 1 wherein said pin includes a tapered portion, a majority of which is in contact with said elastomeric element to thereby substantially prevent movement of said motor assembly relative to said base and to position the motor assembly relative to the base.

Claim 9 (original): The motor mounting system of claim 8 wherein said grommets are made of rubber.

Claim 10 (previously presented): A telescopic leg assembly comprising:
first and second legs telescopically coupled to one another and including a drive screw defining an axis and extending within said legs for extending and retracting one leg from the other leg;
a motor assembly including a drive shaft extending therefrom and coupled to said drive screw;
at least one pin extending from said motor assembly in a direction generally parallel to and spaced from said drive shaft;
a base coupled to said one telescopic leg, said base including an aperture for receiving said drive screw therethrough and an aperture aligned with said pin of said motor assembly, said aperture including an elastomeric element mounted therein for receiving said pin to isolate

Applicants : James E. Doyle et al.
Appln. No. : 09/870,091
Page : 4

vibrations from said motor assembly to said base, said pin extending through said aperture and engaging said elastomeric element to prevent movement of the motor assembly about said axis of said drive screw, said drive screw having a connector at an end thereof axially securing said drive screw to said motor assembly; and

a thrust bearing and washer extending between said base and said drive screw such that forces applied to said base are compressably transmitted to said drive screw through said thrust bearing and washer.

Claim 11 (original): The motor mounting system of claim 10 wherein said elastomeric element is a grommet.

Claim 12 (original): The motor mounting system of claim 11 wherein said pin is tapered to facilitate insertion into said grommet.

Claim 13 (original): The motor mounting system of claim 12 wherein said motor assembly includes a plurality of pins and said base includes a plurality of apertures with grommets mounted therein which are aligned with said pins for receiving said pins therein.

Claim 14 (previously presented): The motor mounting system of claim 13 wherein said motor assembly includes three pins and said base includes three apertures with grommets therein.

Claim 15 (original): The motor mounting system of claim 14 wherein said motor assembly includes a motor housing having a drive motor and a motor mounting plate and wherein said pins extend from said motor mounting plate.

Claim 16 (original): The motor mounting system of claim 15 wherein said pins are angularly generally equally spaced.

Applicants : James E. Doyle et al.
Appln. No. : 09/870,091
Page : 5

Claim 17 (previously presented): The motor mounting system of claim 16 wherein said pins are tapered at an angle of up to about 10°.

Claim 18 (original): The motor mounting system of claim 17 wherein said grommets are made of rubber.

Claim 19 (previously presented): A motor mount for isolating vibrations between a motor and a driven element comprising:

a motor assembly including a drive shaft;
a base for supporting a driven element coupled to said drive shaft;
an elastomeric coupling between said motor assembly and said base said elastomeric coupling prevents rotation of said motor assembly relative to said base; and
a thrust bearing engaging said base and said driven element such that forces applied to said base are compressably transmitted to said driven element through said thrust bearing and washer.

Claim 20 (original): The motor mount as defined in claim 19 wherein said elastomeric coupling comprises:

at least one member extending from said motor assembly toward said base;
at least one aperture in said base aligned with said member; and
an elastomeric grommet fitted in said aperture for receiving said member.